

12A-2 Net production net shipments. and transfers for preparation.—The  
figures for "net ship-  
ments" represent all prepared coal shipped plus raw coal shipped for  
use without prep-

aration in "total" shipments which results from inclusion of both the raw coal sold or transferred for preparation and the clean coal recovered therefrom. The net ship-ment include the prepared coal recovered from raw coal mined in other States or counties.

figures "Net production," on the other hand, represents the net tonnage of coal mined, excluding washery and other refuse, based on the location of the mining operation. For individual States and counties, such figures represent the net usable product from mines and dredges located within the boundaries of the designated areas. At the mine level, the net production includes the tonnage of prepared coal mined and prepared at the same establishment. coal mined and used at the same establishment for power or heat, the prepared or sized coal equivalent of raw coal mined for preparation at other establishments, and raw coal sold for use without preparation. In 1963, about 86 percent of all bituminous coal net shipments represented coal prepared prior to use. This includes 64 percent which was mechanically cleaned and 22 percent which was only crushed, screened, or sized. For lignite, no coal was mechanically cleaned, but 93 percent was crushed, screened, or sized. Separate figures are shown wherever possible for mechanical cleaning and for operations which crush, screen, or size only.

The production index for the primary products of the Bituminous Coal and Lignite Mining Industries increased to 120 in 1963 from the 1958 level of 108. The unit value index for 1963 was 98 compared to 108 in 1958. Both indexes were computed on a basis of 1954 = 100. The 1963 production and unit value indexes for the individual industries in this group were, respectively: for bituminous coal, 119 and 98; for lignite, 118 and 112; for bituminous coal and lignite mining services, 134 and 99.

Contract Work. — Establishments classified in the Bituminous Coal and Lignite Mining Services Industries reported receipts of \$24 million for services performed. A total of 1,435 persons were engaged in these services, accounting for a little over one percent of the total persons engaged in the Bituminous Coal and Lignite Mining Industries.

Stripping and auger mining was the principal activity of bituminous coal contractors. Such coal represents an increasing proportion of the total coal mined. Bituminous coal operators reported a total net production of 159 million tons of strip-pit and auger mined coal, of which 8.5 million tons were mined for them by contractors.

Establishments classified in the Bituminous Coal and Lignite Services Industries were permitted to file one report for all mining services performed in the United States. These

reports were classified on the basis of the principal type of service performed and the principal industries served to determine their industry or subindustry classification. Each report included data on the amount received for services, the number of employees in March, the tonnage

of raw coal mined, and capital expenditures during 1963, by State and county. For county statistics, all other figures in each report were allocated on the basis of these reported data.

The figures in this report for the Bituminous Coal and Lignite Services Industry cover, except for hauling, all service activities which represent an integral part of bituminous coal and lignite mining operations. Receipts by such contractors represent 36 percent of the total payments for contract services reported by the Bituminous Coal and Lignite Industries. In addition, a small amount of such contract work was done by operators of bituminous coal and lignite mines, presumably primarily for other coal mines, amounting